

PRODUCTION OF QUATERNARY ALKYLAMMONIUM SALT

Patent number: JP10087574
Publication date: 1998-04-07
Inventor: FUKUTOME TOSHIRO; KIKUYAMA HIROHISA
Applicant: SUTERA CHEMIPHAR KK
Classification:
- International: C07C211/63; C07F5/02
- european:
Application number: JP19960261377 19960909
Priority number(s):

Report a data error here

Abstract of JP10087574

PROBLEM TO BE SOLVED: To provide a method for producing a quaternary alkylammonium salt useful as an electrolyte of the organic electrolyte liquid for an electrolytic capacitor or an electric cell in high purity without using anhydrous hydrogen fluoride by reacting a quaternary alkylammonium halide with LiBF₄, etc., in an alcohol.

SOLUTION: A quaternary alkylammonium halide of the formula R₁ R₂ R₃ R₄ N⁺ X⁻ (R₁ to R₄ are each a 1-5C alkyl; X⁻ is Cl or Br) (e.g. tetraethylammonium chloride) is reacted with LiBF₄ or LiPF₆ in an alcohol to readily provide the objective quaternary alkylammonium salt of the formula R₁ R₂ R₃ R₄ N⁺ X⁻ (X⁻ is BF₄⁻ or PF₆⁻) in the method for producing the quaternary alkylammonium salt.

Data supplied from the **esp@cenet** database - Patent Abstracts of Japan